

Title (en)
Automatic brake control system

Title (de)
Selbsttätige Bremssteueranlage

Title (fr)
Système automatique de commande de freinage

Publication
EP 0941903 A2 19990915 (EN)

Application
EP 99104889 A 19990311

Priority
JP 6157998 A 19980312

Abstract (en)
An automatic brake control system (12, 31) of a vehicle for automatically applying brake when said vehicle comes near to an obstacle ahead comprises an own vehicle speed detecting means (8, 17) for detecting a speed of the vehicle, a distance detecting means (13, 15, 16) for detecting a distance between the own vehicle and the obstacle, an obstacle speed calculating means (16) for calculating a speed of the obstacle based on the speed of the vehicle and the distance between the vehicle and the obstacle, a stop control judging means (20) for making a comparison of the distance between the vehicle and the obstacle with a threshold distance, a target deceleration establishing means (22, 23, 24, 25) based on the comparison for establishing a target deceleration to a first deceleration (α_1) when the distance is smaller than the threshold distance (L_{lim}) and to a second deceleration (α_2) when the distance is larger than the threshold distance (L_{lim}) and a brake drive controlling means (26, 27, 28) for performing a deceleration control so as to generate a brake fluid pressure corresponding to the target deceleration in a brake drive apparatus.
<IMAGE>

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IPC 8 full level
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Citation (applicant)
• JP H06144169 A 19940524 - TOYOTA MOTOR CORP
• JP H082274 A 19960109 - FUJI HEAVY IND LTD

Cited by
US7278505B2; CN100393562C; CN111204319A; EP1346892A3; CN113613966A; EP2902291A1; ES2192906A1; CN112046473A; US9656667B2; US6571165B2; US7102495B2; WO0214128A3; WO02083470A1

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